

A. M. D. G.
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Vol. I., no. 1.

The Bulletin
of the
Association of Science and Mathematics
Teachers
of the New York-Maryland Province.

November 1, 1922.

Editor-in-Chief: T.J. Brown, S.J., Georgetown Univ.
Associate Editor: Rev. Jos. Kelly, S.J., Loyola, Balt.
Rev. J.P. Gallagher, Weston.
R.J. McWilliams, S.J., Holy Cross.

---Editorial---

The editors embark on the stormy sea of journalism fully realizing the trial and tribulations of all editors. Naturally they want the bulletin to be a success, to attain which they desire that their efforts be seconded by contributions from all the members of the Association. Hence any news about the various members of the Association or of their scientific methods, studies and other activities is not only welcome but will be the chief means of keeping all interested in this new organization. And that is the aim of this bulletin as it is of any other society organ.

Our members are so separated and busied with many tasks that without a common mouthpiece of some sort, unity and interest could scarcely survive. But through the channel of the Bulletin each member may know what is being done in other parts of the province, suggest improvements in various scientific lines, acquaint others with a particular instrument, experiment, book or discovery that may be just the thing a fellow teacher is seeking. And all will take a natural pride in seeing their particular college represented in the pages of future issues.

This first editorial then is an urgent plea for live, up-to-date articles on any scientific topic. If you, the reader depend on the other fellow to do the contributing, the Bulletin lacks just so much support and success. Send as often as you can and care any scientific news, any articles on methods or subjects or experiments that you are concerned about, any scientific items connected with your college or pupils. Remember: we want YOU to contribute, YOU to do your bit, YOU to be a co-operator who CO-OPERATES.

To facilitate work and achieve order, members are asked to forward topics, articles news, essays, etc. in their particulars lines to

Rev. J.P. Gallagher, S.J.-	for Mathematics
Rev. J. Kelly, S.J.-	" Physics
T.J. Brown, S.J.-	" Chemistry
R. McWilliams, S.J.-	" Biology

THE HISTORY OF THE

REIGN OF

CHARLES THE FIRST

BY

JOHN BURNET

OF

SCOTLAND

IN

SEVEN VOLUMES

VOLUME THE SECOND

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On Aug. 21st, 1922 at 11 A.M., a meeting of the science Teachers of the Maryland-New York Province of the Society of Jesus, was held at Canisius College, Buffalo, Rev. Fr. Ahern, Rector of Canisius', presided at the meeting and outlined in brief its occasion and purpose. The Science Summer School (held this year at Buffalo) had been prolonged from the customary three weeks to four weeks, and at its close, with Rev. Fr. Provincial's hearty concurrence, all the science teachers of the Province were invited to come to Buffalo to discuss means of improving the teaching of science in our schools and colleges. The following accepted the invitation.

Frs. Ahern	Messrs. Berry
Archer	Brown
Brock	Busan
Coyle	Butler
Didusch	Crowley
Gallagher	Kelly
Gipprich	Lynch
Hohman	McNally
Kelly	McWilliams
O'Loughlin	Michaud
Phillips	Murphy
	Reith
	Sheridan
	Kolkmeier

Discussions of the various difficulties confronting our science teachers were carried on frankly, and the fruit of the discussions will we trust shortly be made patent. As an instance, the Physics section among other things, unanimously voted a change of text book in our colleges, and appointed a committee of three to consider the question of a new one.

The immediate results of the convention was the formation of "The Association of Science and Mathematics Teachers of the Maryland-New York Province S.J.", with its aim to promote the teaching in our schools and colleges by mutual encouragement and stimulation and the presentation, discussion and publication of papers.

The subjoined temporary constitutions were drawn up, and the following officers of the Association elected:

PRESIDENT	Fr. Ahern
VICE-PRESIDENT and CHAIRMAN BIOLOGY SECTION	Fr. Didusch
VICE-PRESIDENT and CHAIRMAN CHEMISTRY SECTION	Fr. Coyle
VICE-PRESIDENT and CHAIRMAN MATHEMATICS SECTION	Fr. Archer
VICE-PRESIDENT and CHAIRMAN PHYSICS SECTION	Fr. Brock
SECRETARY-TREASURER	Mr. Lynch

It was decided to publish a monthly bulletin on scientific topics, a committee of four - Fr. Kelly, Fr. Gallagher, Mr. Brown and Mr. McWilliams - being appointed for the task, the first bulletin to appear if possible not later than

October 1st. Since the time elapsing between the meeting and the date, was somewhat short and already well filled with preparation for the coming school year, it was thought unfair to call upon anyone for contributions at such short notice, and hence this first number is a brief announcement of the birth of the Association and a herald of future bulletins.

Whatever success the future may bring the Association - and may a bud is already bursting - too much credit cannot be given Fr. Ahern who initiated the project, and made the first annual meeting a very happy and successful affair for all who took part. Our heartfelt thanks to him!

TEMPORARY CONSTITUTION.

NAME, This organization shall be known as the Association of Science and Mathematics Teachers of the Maryland-New York Province of the Society of Jesus.

Aim, The aim of the association is to promote the teaching of Science and Mathematics in our schools and colleges by mutual encouragement and stimulation and the presentation, discussion, and publication of papers.

Sections: The association shall include sections as follows: Biology, Chemistry, Mathematics, Physics and such sections as may hereafter be formed by vote of the association.

Officers: The officers of this organization shall be President, a Secretary-Treasurer, and a Chairman for each of the sections. These chairmen will also act as vice-presidents of the association. The above named officials will constitute the executive council of the association, who will transact the general business of the association and form the committee on admission for new members.

*The President and the Secretary-treasurer shall be elected by the association; the chairmen of sections by their respective sections at the annual meetings.

MEMBERS: All past or present teachers of science and mathematics and all special students of these subjects are eligible to membership. All present at this meeting become charter members. The applications of all new candidates will be referred for approval to the committee on admission.

MEETING: Meetings of the association shall be held annually at the time and place to be determined by the executive council.

COMMITTEES: There shall be a committee of publications, whose duty it shall be to arrange for the publication of bulletins and the proceedings of the society.
(Committee to be appointed by the President)

BUSINESS of each SECTION left to the decision of section members.

The **DRAFTING** of CONSTITUTIONS and **BYLAWS** to be completed by the executive council and submitted at the next annual meeting. Present provisional constitution will be in force until the adoption of permanent constitution. Arrangement of programme for the next meeting to be left to executive council.

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Minutes of the joint meeting of the Physics and Math. Sections of the Association of Science and Mathematical Teachers of the Maryland-New York Province.

Meeting called to order at 11:00 A.M. Rev. Henry M. Brock, S.J., Chairman of the Physics Section, presiding. On a motion made and seconded and duly carried, Mr. Joseph P. Kelly, S.J. was elected temporary Secretary of the two sections.

The object of the meeting was to discuss the problems of teaching Physics and Mathematics in our High Schools and Colleges. They were discussed in this order:

- 1) Teaching Physics in the High School.
- 2) Teaching Physics in the College.
- 3) Coordination of both.

Under the first caption was discussed the course in High School Physics that would not overlap the College course. This seemed to present the main difficulty. After many options were voiced, it was agreed that local teachers must decide their courses, since each school presented its individual problems. It was agreed that "Carhart or Chute" was a very good author for high school work.

Under the second caption, objection was raised that Carhart's "College Physics" as a text book was not suited for college courses. Lack of clearness seemed the main objection. Wherefore it was moved and second that these sections disapprove of Carhart's College Physics as a text book for college boys and that it should be rejected. Moreover a committee shall be appointed to find a suitable text book and report on it no later than April 1st, 1923. The motion was carried. The Chairman appointed as a committee, Frs. Joseph M. Kelly; J.L. Gipprich; Mr. J.J. Lynch.

The following questions were discussed: Laboratory manual and reports; amount of matter to be given to those taking A.B. degree. A suggestion was made that notes for standard experiments should be written and sent to the Physicists for criticism. Many opinions were given on these but nothing definite was decided. Time being up, the meeting was adjourned at 12:30 P.M. No time was given for the discussion of teaching Mathematics.

Respectfully submitted,
J.P. Kelly, S.J. Sec.

FIRST ANNUAL MEETING
of
THE ASSOCIATION OF SCIENCE AND MATHEMATICS TEACHERS
of the
MARYLAND - NEW YORK PROVINCE
Held at Canisius College, Buffalo, N.Y.
August 21 and 22, 1922.

Monday August 21.

10:00 A.M. Opening Session (Jesuitary Lecture Room)
Rev. J. J. Ahern, Presiding.

1. Election of Temporary Chairman.
2. Address: "The Meeting of the Association of the Science and Mathematics Teachers of the Missouri Province"
Rev. George I. Coyle
3. Discussion on Permanent Organization.
4. Election of Permanent Chairman and Other Officers.
5. Appointment of Permanent Committees.

3:00 P.M. Afternoon Session (Physics Lecture Room)

1. Address: "Radio Telegraphy as used in Astronomical Work"
Rev. Edward C. Phillips
2. Discussion: "The Teaching of Physics in our Colleges and High Schools"

7:30 P.M. Evening Session (Physics Lecture Room)

1. Discussion: "The Teaching of Chemistry in our Colleges and High Schools"

TUESDAY August 22.

10:00 A.M. Morning Session (Chemistry Lecture Room)

1. Discussion: "The Teaching of Biology and Mathematics in our Colleges and High Schools"

3:00 Afternoon Session (Physics Lecture Room)

1. Discussion: "What can we do to raise the standard of Science Teaching in the Province?"
2. Discussion: "What can we do to encourage Scientific Research among Ours in the Province?"
3. "The Teaching of Formulae in Course in Physics"
Rev. H.M. Brock

6:00 P.M. First Annual Banquet of the Association.

7:30 P.M. Evening Session

(Physics Lecture Room)

1. Resolutions.
2. Adjournment.

N.B. All will take an active part in the Discussions.
All are asked to present any demonstration in Physics, Chemistry, Biology, Mathematics, etc., at the appropriate session. Names and titles should be given to the temporary secretary, Mr. E.J. Kolkmeyer.

MINUTES

of

THE FIRST ANNUAL MEETING OF

THE ASSOCIATION OF SCIENCE AND MATHEMATICS TEACHERS

of the

MARYLAND - NEW YORK PROVINCE S.J.

The first annual meeting of "The Association of Science and Mathematics Teachers of the Maryland - New York Province of the Society of Jesus, was held at Canisius College, Buffalo, on August 21st, 1922 at 11:00'clock A.M. Rev. Fr. Rector (Fr. M.J. Ahern S.J.) presided and welcomed all to Canisius. After a brief account of how the meeting came to be held, the first business of the morning was proceeded with - the election of the temporary Chairman. Fr. Phillips moved that Fr. Ahern retain the chair, Mr. Kolkmeyer seconding the motion. Since no further nominations were forthcoming, Mr. Brown moved that the nominations be closed, Mr. Lynch seconding. The motion was carried unanimously, and Fr. Ahern took the Chair again midst great applause. He announced an addition to the programme (enclosed herewith), in the form of an address by Fr. Brock on "The Treatment of Formulae in the Teaching of Physics". Fr. Coyle then proceeded with his address on "The Meeting of The Association of the Science and Mathematics Teachers of the Missouri Province".

He announced a change in the title of the Missouri Association, to that of "The American Association of Jesuit Science Teachers - Central Section", the purpose of the change being to make room for addition sections from other Provinces. He outlined the general plan of the Missouri organization, which will be found in substance in the constitutions of this our own organization. There was to be no moderator appointed by the Provincial - the organization elected its own officers.

At the close of Fr. Coyle's address (which was received with applause), Phillips proposed that a similar organization, independent for the present of the Missouri organization, be started at once in this Province, and that Fr. Ahern ap-

point a committee of three to draw up provisional plans for the new venture. The proposal was seconded by Mr. Brown and carried unanimously. Fr. Ahern appointed Fr. Coyle, Fr. Phillips and Mr. Lynch as the Committee, the meeting then adjourning for lunch.

Afternoon Session. 3:00 P.M.

The report of the Committee, appointed this morning, was read by Fr. Coyle and the temporary constitutions drawn up by them were accepted without discussion. In accordance with these constitutions, the following became charter members:

Frs. Ahern	Messrs. Berry
Archer	Brown
Brock	Busam
Coyle	Eutler
Didusch	Crowley
Gipprisch	Kelly
Hohman	Kolkmeier
Kelly	Lynch
O'Loughlin	McNally
Phillips	McWilliams
	Michaud
	Murphy
	Reith
	Sheridan.

Fr. Kelly proposed an amendment, which was duly carried, that a committee on Publications be appointed by the President.

Mr. Kolkmeier moved, and Mr. Kelly seconded that a first draft of the revised constitutions be submitted by the executive council not later than Jan. 1st.

Fr. Coyle proposed and Mr. McWilliams seconded an amendment that the date be changed to April 1st. The amended resolution was duly carried.

The election of permanent officers then took place.

PRESIDENT	- - - - -	Fr. Ahern
SECRETARY-TREASURER	- - - - -	Mr. Lynch
CHAIRMAN - BIOLOGY	- - - - -	Fr. Didusch
CHAIRMAN - CHEMISTRY	- - - - -	Fr. Coyle
CHAIRMAN - MATHEMATICS	- - - - -	Fr. Archer
CHAIRMAN - PHYSICS	- - - - -	Fr. Brock

Fr. Phillips then read his address as announced on programme attached

After an interesting discussion on the subject of Fr. Phillips' paper, mainly between Frs. Archer, Brock, and Phillips, it was unanimously agreed that on the following day the Chemistry and Biology Sections would meet conjointly - likewise the Mathematics and Physics Sections - this because of our small numbers at present. Later the Sections were to have their individual meetings.

The meeting then adjourned for the day.

Tuesday August 22, 1922.

MORNING SESSION After the reading of Fr. Brock's paper on "The Treatment of Formulae in the Teaching of Physics", the members separated for their sectional meetings as agreed upon yesterday.

AFTERNOON SESSION A photograph of the members was taken just prior to the meeting.

The first business of the afternoon was the reading of the reports of the sectional meetings held this morning. The resolutions of these meetings were entrusted to the Revd. President, to be handed to Fr. Provincial, the manner of "handing" to be left to the discretion of the President, the members not wishing to flood Revd. Fr. Provincial's desk with "Resolutions".

The Committee on Publications was announced as Fr. Kelly, Fr. Gallagher, Mr. Brown and Mr. McWilliams. A resolution was passed unanimously that a monthly bulletin be published, the first number to contain an account of these meetings.

A recommendation was also passed that Fr. Provincial be asked to place a science representative on the syllabus revision committee.

Fr. Coyle proposed and Mr. Busam seconded that there be Presidential and Vice-Presidential Addresses at the annual meetings of the Association. Unanimous.

Fr. Brock proposed a rising vote of thanks to Fr. Rector, Fr. Minister and the rest of the Faculty of Canisius College for the hospitality extended. Fr. Kelly seconded, and the chair was taken temporarily by Fr. Coyle while the Motion was being put into effect. A similar vote of thanks was unanimously passed on behalf of the scholastics, for the very splendid Science Summer School they had spent at Canisius. The meeting then adjourned for the year.

